# (19) World Intellectual Property Organization International Bureau



### . (1814 - 1814) | 1815 | 1816 | 1816 | 1816 | 1816 | 1816 | 1816 | 1816 | 1816 | 1816 | 1816 | 1816 | 1816 | 1

(43) International Publication Date 4 November 2004 (04.11.2004)

PCT

# (10) International Publication Number WO 2004/094989 A3

(51) International Patent Classification7:

G01N 33/53

(21) International Application Number:

PCT/US2004/012062

(22) International Filing Date: 19 April 2004 (19.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/464,902

22 April 2003 (22.04.2003) US

- (71) Applicant (for all designated States except US): CIPHER-GEN BIOSYSTEMS, INC. [US/US]; 6611 Dumbarton Circle, Fremont, CA 94555 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ALLIOUX, Catherine [FR/FR]; 29 Rue de Mériel, F-95290 L'Isle-Adam (FR). BOSCHETTI, Egisto [FR/FR]; 11 rue de la Côte à Bélier, F-78290 Croissy sur Seine (FR). BRENAC, Virginie [FR/FR]; 13 Square Ronsard, F-92500 Rueil Malmaison (FR). SANTAMBIEN, Patrick [FR/FR]; 78 rue Damremont, F-75018 PARIS (FR). SPENCER, James [US/US]; 2104 Garfield Court, Frederick, MD 21702 (US).
- (74) Agents: SAPPENFIELD, Christopher, C. et al.; Quine Intellectual Property Law Group, P.C., P.O. Box 458, Alameda, CA 94501 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 20 January 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/12062

A. CLASSIFICATION OF SUBJECT MATTER	
IPC(7) : G01N 33/53 US CL : 435/7.1	
According to International Patent Classification (IPC) or to both national classification and IPC	
B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/7.1	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) east	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category * Citation of document, with indication, where a	propriate, of the relevant passages Relevant to claim No.
X US 6,365,418 B1 (WAGNER et al) 02 April 2002 (0	1-23
	·
	·
	·
	·
Further documents are listed in the continuation of Box C.	See patent family annex.  "T" later document published after the international filing date or priority
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
of particular relevance  "E" earlier application or patent published on or after the international filing date	"X"  document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
17 September 2004 (17.09.2004)	Authorized officer
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner for Patents	Nelson Yang Jean Proctor
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telephone No. (703) 308-019 Stralegal Specific

Form PCT/ISA/210 (second sheet) (July 1998)